

## **ABSTRACT**

A luminescence audio unit structure includes a holder, a vibrating membrane, a membrane tray and an electro luminescence piece; wherein an expanding opening is formed in front of the holder, a magnetic element and a voice coil are set in back of the holder; the voice coil is covered by the vibrating membrane, and the internal diameter of the membrane tray is adhered to the voice coil; the electro luminescence piece is stuck on the vibrating membrane and connected to the voice coil. Inputting audio frequency to the voice coil will oscillate the vibration membrane and the membrane tray. Therefore, sound wave is produced and the electro luminescence piece will radiate light with changes of the audio frequency.